SHEFFIELD BUILDS RED **CROSS HEADQUARTERS**

(By H. Fontaine Little.)

Patriotic impulse during the war times takes various forms, which is not confined merely to subscribing for liberty loan bonds, buying war savings stamps, contributing to the Y. M. C. A., and giving to the Red Cross, in all of which it may be said to the credit of which it may be said to the credit of the confined people, response has been Sheffield people, response has been both prompt and extremely liberal. But the people of this Alabama city have done something more than that, and the magnificent Red Cross building. which has been erected here, is not merely an exposition of co-operative community spirit, but it truly exemplifies the burning patriotism and preme loyalty to the government of the people of this American city, Bebeing an inspiring example of unity team work, the Red Cross community team work, the Red Cross-building of Sheffield represents a disbuilding of Sheffield represents a dis-tinct and unique achievement, and in the annals of American cities it is perhaps without compare. Indeed, it is a crowning glory in the war efforts

of Sheffield people and is an adornment to the city itself.

The idea of building a Red Cross hous: in Sheffield was first conceived by the members of the Sheffield chapter of the American Red Cross society, whose local officers, are: John H. whose local officers are: John H. Peach, chairman; Mrs. George Burpee, chairman executive committee, and Mrs. Sid B. Jones, secretary.

Construction work on the building was begun June 14, and through donations of money, materials and labor.

money, matertals and labor, tions of money, materials and labor, its completion represents an expendi-ture of approximately \$10,000, exclusive lot on which it is located, and is one of the most prominently which is one of the most profile to the located and highly valued in this city. The building is located on the square between Montgomery and Alabama avenues, right in the Aeart of Shefffield. It has become the "show place" of the city.

Construction of the building was car-

ried on under the supervision and di-rection of Willis G. Waldo, one of rection of Willis G. Waldo, one of Sheffield's most prominent citizens, an official of the Westinghouse. Church, Kerr company, one of the largest construction companies engaged in building nitrate plant No. 2 near this city. The plans and designs were furnished by R. A. Chapman, city engineer of Sheffield, and M. P. Tilley, architect of nitrate plant No. 2. The building is unique in design and modern in construction. It is finished in light gray tint, dark stained windows, with green shingle roof and a front porch is dignified with four large is dignified with four porch is dignified with load accolumns. A large Red Cross emblem hangs from the overhead archway. It is a house of six rooms, each of which was designed for certain purposes. The chimneys are of red tile and the fireplaces are of a wide and rustic design. It is electric-lighted. One of the main features of the building is the Hoover kitchen, which will be used for demon-stration of war dishes, and where comstration of war dishes, and where com-nittees from city and rural districts will meet in discussion of food con-cryation, which work devolves upon me of the best known women workers of this entire section, Mrs. Mary H. llogan, who fills the responsible posi-tion of emergency home demonstration gent of Colbert county. A rest-room is provided for the soldiers of the United States army, who are stationed here for work in the ordnance depart-ments at the government nitrate plants! Another room will be used as an office, and others by the local and surgical dressings, packing and

For building the Red Cross house here funds were donated by practically every local citizen, many out-of-town visitors and others living in this dis-trict. Nearly all of the materials were ented by local business firms. Paints were furnished by the Sheffield Asso-ciation of Traveling men, and the plumbing work and equipment was donated by the associated plumbers of the city. The labor was furnished from the large forces of men engaged at the United States nitrate plants, which the government is building here. To these

forces much praise is due. Carpenters, electricians, bricklayers and decorators by the score from these government nitrate plants patriotically donated their labor, and some of them money, and certainly much credit is due them for their services so gratuitously given. Following their day's work at the nitrate plants they worked on the Red Cross building at night, performing their labor under the luminating rays of numerous electric spot lights, thus exhibiting a couragespirit and performing a double

These forces of men were in charge Wright, of the Westinghouse, Kerr company; W. B. Reeves. of the Chemical Construction company representing nitrate plant No. 2, and Gordon Hood, W. E. Stoney and J. Mc-Guire, of the J. G. White company, of nitrate plant No. 1.

TWENTY CARLOADS OF CHATTANOOGA PRODUCTS A DAY TO MUSCLE SHOALS

There were some who said that Chattanooga industry would derive no benefit from the projects at Muscle Shoals.

It develops that about twenty carloads of Chattanooga products go every day to enter into the construction down there.

These cars carry Chattanooga boilers, Chattanooga bricks, sand, cement, gravel, groceries and machinery.

chinery. Who said no benefit?

Wharf Will Be Ready

When the big dam at Muscle Shoals is completed, Chatta-nooga will be all ready with modern river terminals to meet the influx of river-borne freight

which is expected.

Already the city has completed the erection of a threestory brick warehouse, 60x100 feet and costing \$24,000. The city wharf has been paved over with Belgian blocks, a concrete retaining wall has been built and a mechanical conveyor has been installed, capable of hand-ling anything from a bale of

The completion of the ter-The completion of the ter-minal project calls for the erec-tion of a large traveling crane, the building of a landing pier and the installation of other improvements, giving every fa-cility for the convenient and economical bandling of a large valume of traffic Authorities. volume of traffic. Authorities are proceeding at a rate which will guarantee the completion of the whole terminal system by the time the dam at Muscle Shoals is completed, permitting the resumption of river traffic beyond Sheffield. At the present ne the canal along Muscle oals is closed because of the work on the dam and traffic is not possible beyond Decatur.

REVOLUTION SOUTHERN INDUSTRY RESULT MUSCLE SHOALS PROJECT

Effect of Development Felt in War and Peace, Touching Every Line of Endeavor.

To say that the government is now spending \$105,000,000 at Muscle Shoals is the poorest possible way of expressing what is going on. The ramifications and possibilities of the development are such that it rather staggers the imagination to attempt a description.

Scattered over the United States are other projects involving the expendi-ture of as much money in each case. Shipyards, powder plants, etc., are springing up as by magic, in some measure the change on the face of the measure the change on the face of the carth is as great as at Muscle Shoals, but these other plants are being erected to serve single purposes—purposes which are entirely understood and definite. But Muscle Shoals will serve so many ends, all of the first magnitude of importance, that it comes in a class entirely alone.

To understand that it is first necessary to know just what the project includes. There are now being erected at Muscle Shoals the following:

One synthetic ammonia plant (plant No. 1).

One cyanamid plant (plant No. 2). One small navigation dam (da

No. 1).

One large power and navigation dam (dam No. 2).

Two of these are fairly immense undertakings. Plant No. 2 and dam No. 2 represent the superlative in projects of their kinds. Dam No. 1 is merely a small dam right at Florence and is being exceted for paying attent purposes. being erected for navigation purposes solely and will cost only \$1,000,000. being erected for navigation purposes solely and will cost only \$1,000,000, which in comparison with the staggering total is a trifle. Plant No. 1 calls for the expenditure of only \$5,000,000, and the balance is divided about equally between the big plant and the big dam.

horsepower—a force beyond the imag-ination to conceive.

It is not permissible to give propor-tions and details in regard to plant No. 2, but it is an undertaking fully as large as the construction of the big

So much for what is in course of construction. Now for the significance of it all.

Muscle Shoals Affects Development of Many Lines.

At the present time, of course, the chief purpose of the Muscle Shoals project is to win the war, but it stands alone in being the one undertaking which has as valuable peace time uses as war time uses. And that is because of the peculiar nature of nitrogen, that inert element of the air which the Muscle Shoals plants will extract in

Nitrogen is a selfish sort of element. by dint of the expenditure of great Nitrogen is a selfish sort of element. If, by dint of the expenditure of great electric energy, it be caught in combination with any other element, it is very restless in that combination, and seeks to be released at the first opportunity. Thus, if it is caught in a combination where the balance is very delicate, and subjected to a sudden jar, it returns to its original gaseous form with great violence, making nitrogen compounds among the most deadly of explosives. Or, if in more stable combination, as in calcium cyanimid, upon exposure to dampness the nitrogen will come off as ammonia, to the great benefit of any plant life in the vicinity. And thus the manufacture of nitrogen compounds is seen to be an activity which promotes the arts of war and peace alike, and can readily be turned from one to the other—in war and peace alike, and can readily be turned from one to the other—in war and peace alike, and can readily be turned from one to the other—in war to the making of explosives, in peace to the making of explosives in peace to the making of explosives, in peace to the making of

The stupendous development now going on at Muscle Shoals, as the tri-cities of Sheffield, Florence and Tuscumbia are more widely known, should be of especial interest to every loyal citizen of Chattanooga. Not only do the projects under way down there have a most potent effect upon the whole nation, but they have a peculiar and direct effect in the advancement of Chattanooga, and in a measure the construction going on is a vindication of the intelligence and vision of Chattanooga citizens.

While it is true that all forward-looking men in the Tennessee river valley have been striving for the accomplishment of that which is now being done, it is also true that here in Chattanooga has been the center from which have radiated the influences and enthusiasms which in the beginning had most to do with the general acceptance of the idea. That is treated more fully in the article on the Tennessee River Improvement association and it suffices to say here that in large degree Muscle Shoals is a Chattanooga concept.

Project Has Unlimited Possibilities.

To say that the government is now spending \$105,000,000 at Muscle Shoals in the poorest possible way of expressing what is going on. The ramification and the work of the first of the coal, iron and other minerals in the section, it can be reading understood that the Tennessee river when the presence of the coal, iron and other more will be used closer at hand, but when the presence of the coal, iron and other minerals in the section, it can be reading understood that the Tennessee river when the presence of the coal, iron and other minerals in the section, it can be reading understood that the Tennessee river when the constitution of a few more dams undiciently high to produce the clearing bower will also entirely obliterate the barrier of the shoals, and with the addition of a few more dams, already in sight, the Tennessee river will be open to navigation the year round all of the way to the junction with the Ohlo, which of course means also to the Gulf of Mexico.

The r ily understood that the Tennessee river valley is destined to become one of the greatest electrical and metallur-gical centers in the world. All factors conducive to producing such a center will combine—power, cheap and abundant raw material, good labor supply, and the choice of river or rail transportation.

Marks the Realization of Science's Fondest Dream.

What is happening down at Muscle Shoals marks the realization of one of the fondest dreams of science. Theo-retically it has been known for years that the nitrogen of the air might be extracted and combined with other elements. But the rub has been to produce upon a commercial scale. In Germany, in Sweden and at Niagara Germany, in Sweden and at Niagara Falls cyanamid plants have been in successful operation, but still the bulk of nitrates used in this country came from the Chilean deposits. The con-struction of the Muscle Shoals plants marks the final emancipation of America from dependence upon this source of supply and guarantees that there shall be no future danger of a nitrate shortage, whatever the need.

Two Processes Side by Side.

In addition to the cyanamid process, which is proven, there are numbers of other processes for extraction of atmospheric nitrogen. At Muscle atmospheric nitrogen. At Muscle Shoals the cyanamid and the synthetic ammonia processes will be tried out side by side, the former at plant No. 2 and the latter at the smaller plant. At plant No. 1 the process is theo-retically simple. Air is first liquefied. and the balance is divided about equally between the big plant and the big dam.

Dam No. 2 of Titanic Proportions.

When the enormous power dam at the head of Muscle Shoals proper is completed it will present a sight comparable to many natural wonders for impressiveness. Hale's bar by comparison would seem but a child's obstruction of the stream in the gutter. Dam No. 2 will be 104 feet high, more than a mile in length, and will absorb more than a million barrels of cement in the making. When finished it will generate half a million hydro-electric millions plants in tank cars, or if the generate half a million hydro-electric horsepower—a force beyond the imagination to conceive.

It is not permissible to give proportic and and when the ammonia is bubbled through the

result is fertilizer.

The cyanamid process, to be employed at plant No. 2, involves a great deal larger investment and much more raw material. The process involves first the manufacture of calcium carfirst the manufacture of calcium carfirst the manufacture of calcium carbide from limestone and coke in an
electric furnace, and the subsequent
passage of nitrogen through the carbide, again heated in the furnace. The
hot carbide greedily absorbs the nitrogen, and the resulting compound of
calcium cyanamid is well known and
of proven merit.

Throughout the history of the association the Chattanooga spirit has
ciation the Chattanooga spirit has

must include a by-product coke oven to produce the needed carbon for the carbide, and here again is set up a trail of by-products which leads into an infinite number of uses.

been strongly in evidence and the rosting trail of product the carbide are not carbide. The carbides and civic leaders. At the present time the association has about 800 members, embracing the

Differs Also in Proportion to Location.

TENNESSEE RIVER IMPROVEMENT ASSOCIATION MAKES HOME HERE

Movement Started in Chattanooga Has Culminated in Great Developments Now Under Way at Muscle Shoals - Fight Won After Long Educational Campaign - Meets Here in November.

is the home of an organization having as its chief purpose the immediate de-velopment of a section 150 miles dis-

That organization is the Tennessee River Improvement association al-most entirely a Chattanooga body in inception and spirit. The annual inception and spirit. The annual meetings of the association have always been held in Chattanooga, the roll call of its membership provokes answers which would come from a convention of the leaders in Chatta. nooga business life, and yet the ob-ject of that association has been for a number of years the securing of the enormous development now under way, not for Chattanooga, but for

Muscle Shoals. Of course that object has been but

The world is full of cities which river to the fullest extent, but it is nave most active civic bodies dedicated to the purpose of advancing the local leaders should have had the visingerests of those cities themselves, but Chattanooga is one of the few that the swiftest way to accomplish communities, if not the only one, which the larger end was to bring immediate to the purpose of the few that the swiftest way to accomplish the larger end was to bring immediate. and great good fortune to Sheffield, Florence and Tuscumbia, instead of Chattanooga.

And it is safe to say that the intelligent direction of that unselfish spirit was the lirect cause of the good fortune which has visited the Muscle Shoals section. For many long, weary and lean years when the country was satisfied with the prosperity abounding in it and thinking not of the future. satisfied with the prosperity abounding in it and thinking not of the future, the association raised its voice in warning of the need to come, and pointing the way to meet that need. Sometimes, more often than not, money was scarce and every time when such a condition arose it was the late John A. Patten's purse which was opened to meet the deficit and his encouragement which will be a priced the spirit. Of course that object has been but a part of the larger scheme, calling Mr. Patten was for many years the for the development of the power and navigation resources of the Tennessee ing unstintedly of his time and money,

and after serving a number of years as active president of the organisation became its president emeritus, which post he held until his death.

Something over \$125,000 has been raised and expended by the association in the educational campaign extending over a score of years, and a campaign which brought fruition in the appropriation of a hundred and five million dollars for the crection of the two great nitrate plants at Muscle Shoals and for the mile-long dam which will furnish the power to operate these plants and at the same time remove the most formidable bar to navigation in the entire length of the river.

Realized Value of Gyanamid Process. Realized Value of Cyanamid Process

The Tennessee River Improvement association was among the first organizations in the country to grasp the potentialities of the electric extraction of nitrogen from the air. The double-barreled nature of developments looking to the extraction of nitrogen were quickly realized, and the ments looking to the extraction of ni-trogen were quickly realized, and the association eleverly spread the prop-aganda. It was realized that the cy-anamid process was the one thing anamid process was the one thing which at the same time would provide navigation to the steamboats and fertilizer to the farmers, and which could be turned to the manufacture of explosives in wartime. The erection of a nitrate plant would not only call for the building of a dam for furnishing the processing of the processing of the processing of the processing process of the proc nishing hydroelectric power, but would remove the bar at Muscle Shoals. In addition, in peace times, the manufacture of cyanamid would bring an immediate financial return upon the investment in the dam, besides furnishing agriculture with one of the most despreately needed elements for ferdesperately needed elements for fer

It was fruther realized that the only location in the United States which would generate enough power was the ennessee river at Muscle Shoals.
All of these elements of the situation.

All of these elements of the situation, the need, the opportunity and the location, fit into one another so logically that it became merely a matter of educating the public to guarantee the general appreciation of that logic. To this end the association dedicated itself, and under the leadership of Mr. Patten, of Chattanooga; Col. Worthington and Mr. Ashcraft and others, of Muscle Shoals; C. H. Huston, of Chattanooga, and many others of the Tennessee valley, the good fight was begun.

effectually was it waged that by So effectually was it waged that by the time war was declared Muscle Shoals had become fixed in the minds of the public and of congress as the natural location for the enterprise. The war came along to make its imperative demand for explosives and to hasten the decision—the aessociation had rendered it next to impossible to consider any other location—and the fight was won as a result of which the ight was won as a result of which the greatest bar to navigation in the Tennessee river is now in process of re-moval, and the final end of securing

sight.

It is true that there will have to be some more work done to really complete the opening of the river. The big dam at Muscle Shoals only obliterates the shoals and gives slack water for about forty miles above, but the erection of that dam had been the great obstacle. With that completed, the cost of finishing the work will be so trifling that there would be neither rhyme nor reason in not comsight. neither rhyme nor reason in not com-pleting it, and the great interest which the Muscle Shoals development has stirred up over the country will be the most powerful factor in demanding the

History of the Association. The Tennessee River Improvement association was founded in 1896 with the famed Gen. Wilder as its first

The project of improving the Tennessee river appealed most strongly to the imagination and sympathies of John A. Patten, and in the earlier years of the association's activities he was the most enthusiastic of all its members. All up and down the Ten-nessee river valley his name became known as the best friend of river im-

has about 800 members, embracing the leading citizens of the Tennessee river

Ala.; H. A. Bradshaw, Florence, Ala.; H. C. Henderson, Guntersville, Ala.; Henry M. Winslow, Harriman, Tenn.; T. W. Pratt, Huntsville, Ala.; E. A. Wyatt, Kingston, Tenn.; Samuel Blackwell, New Decatur, Ala.; James Koger, Paducah, Ky.; J. P. Tarwater, Rockwood, Tenn.; Lawrence E. Brown, Scottsboro, Ala.; J. S. Andrews, Shef-field, Ala.; W. H. Wilson, South Pitts-burg, Tenn.; John D. Ratcher, Tus-cumbia, Ala.

cumbia, Ala.

Executive Committee—J. H. Nathan, Sheffield, Ala.; W. E. Brock, Chattanooga, Tenn.; C. E. Hendricks, Harriman, Tenn.; Henry A. Skeggs, Decatur, Ala.; William Rule, Knoxyille,

Tenn.
Advisory Committee—J. W. Worthington, Sheffield, Ala.; C. H. Huston, C. E. Buck, Chattanooga, Tenn.
Finance Committee—John Stagmaier, Chattanooga, chairman.

MUSCLE SHOALS DAM NOT A RECENT PROJECT

The subject of river improvement at Muscle Shoals can hardly be termed development of recent years, as witness this advertisement from the Florence Gazette of Oct. 20, 1832:

Gazette of Oct. 29, 1832:
Look at This.
"Five hundred labourers wanted immediately, to work on the Muscle Shoals canal, at the mouths of Shoal creek. Blue Water, and at Taylor's Bluffs—to whom the highest wages will be given, in cash. We will hire 300 blacks, by the year or

NITRATE PRODUCTION BRINGS SOUTH'S GREAT OPPORTUNITY

World Will Turn to This Section for Replacement of Vanished Food Reserves - Southern Farmers Will Have First Chance and All Industry Will Hum.

With the completion of the nitrate project at Muscle Shoals and the coming of peace so that the enormous output of nitrogen compounds may be turned from explosives to fertilizers, a new era will dawn for southern agriculture, and it will be a rare farmer indeed who is not enabled to sufficiently increase his income to make envious his city brother.

This will be true for a number of reasons, first among which is the fact that the greatest nitrogen producing center in the world will be located in the south, and therefore the southern farmer will have an appreciable advantage in freight rates in securing this fertilizer, which will do so much for the transformation of southern farming.

Another reason is that the stupendous nature of the undertaking at Muscle Shoals has appealed to the sense of the spectacular and has thereby done more to advertise the efficiency of nitrogen fertilizers than thousands of tons of printed matter could have done otherwise, and agriculturists will be awake to the necessity of nitrogen and phosphorus addition to soils, and eager to obtain these elements when the transition from explosives to fertilizers comes.

What Nitrogen Does for Cotton.

To go into the multitudinous ramifications of nitrogen fertilization would require most of this edition. A few striking examples must therefore suffice.

It is granted that for some time yet cotton will be the chief source of revenue to the southern farmer, though the propaganda for crop diversification is bearing excellent fruit. Here are the results of tests conducted in lands typical of the main cotton lands of the south:

The fertilizer used contained 7 per cent. of available phosphoric acid and 21/2 per cent. each of nitrogen and potash. Using 1,000 pounds per acre the yield was increased 700 per cent. and the profit,

after paying for the fertilizer, \$3.68 per 100 pounds. These figures, applied to the total production of the south, would

give a result fairly staggering and almost beyond belief.

give a result fairly staggering and almost beyond belief.

Take corn, another staple of the south: Experiments show that for every \$1 invested in fertilizer a profit of \$1.24 is gained.

Other crops respond in like fashion. With the generous application of nitrogen fertilizer, which will come after the war, can the prosperity of this section be doubted, with agriculture admittedly the foundation upon which the whole industrial structure rests?

Why Nitrogen Is So Important.

Without fixed nitrogen the world would soon become an uninhabitable waste. The food supply of the world depends upon it as initrogen enters into the composition of every organic substance. It composes four-fifths of the atmosphere and the amount above only one square mile of the earth's surface is enough to supply the whole world for the next fifty years, so that the supply is practically inexhaustible, even in the face of the most improved methods of atmospheric fixation.

It is conceded by eminent authorities that an adequate supply of nitrogenous fertilizer will so increase the yield of farm products that the present food problem of civilization will be advanced far into the next century.

Together.

When it was decided to locate the two nitrate plants and the big dam at Muscle shoals, the tricities of Florence, Tuscumbia and Sheffield together had somewhere around 15,000 population. In six months it more than doubled, and doubled at a time when it was almost impossible to secure building material or to get ever buildin

into the next century.

The importance of the statement looms tremendously in the light of the present world-wide food shortage and means that when war is concluded the world will turn first of all to the south for the replacement of its vanished reserves.

AMBITIOUS PROGRAM COMMUNITY BETTERMENT FOR MUSCLE SHOALS

Officials of Tri-Cities, Government Director and Community Service Expert Plan to Make Garden Spot and to Provide Highest Class Recreation and Educational Facilities.

By this time nearly everybody is familiar with the activities of the war and future needs.

Some community service, that organization operating under the Fosdick commission, which has to do with community development and relations in centers where there are army or navy cantonments. But it is not generally so well understood that there is another commission, having in a measure parallel functions, which operates in those communities where large industrial constitutions.

By this time nearly everybody is erage facilities to take care of present and future needs.

All tents must have a line upon which to dry clothes. These last two provisions are enforced upon purely psychological grounds upon the theory that to omit them would breed carelessness in habits of living, which would soon drift into insanitary habits.

The building of permanent roads between the three cities and the three government operations.

The building of better streets in each community and the proper oiling thereof to allay dust.

The provision of adequate educational facilities within the care of present and future needs.

All tents must have a line upon which to dry clothes. These last two provisions are enforced upon purely psychological grounds upon the theory that to omit them would breed carelessness in habits of living, which would soon drift into insanitary habits.

Within ninety days after the public health service got on the job there are normal must have a line upon which to dry clothes. These last two provisions are enforced upon purely psychological grounds upon the theory that to omit them would breed carelessness in habits of living, which would soon drift into insanitary habits.

Within ninety days after the public health service got on the job there is another commission, having in a measure parallel functions, which is a provision of adequate educations.

large industrial operations of a war nature are taking place. This commission is in reality a part of the ordnance department, being known as the industrial service sec-

tion.

For several weeks past Joseph L. Bowles, Jr., attached to this section, has been at Muscle Shoals, planning with the construction authorities and the leading citizens, a course of action to best take care of the enormous expansion which has taken place in the three cities of Florence, Sheffield and Tuscumbia, due to the influx of fifteen or twenty thousand people, composed of the workmen and their families. This is an expansion of considerably

or twenty thousand people, composed of the workmen and their families. This is an expansion of considerably over 100 per cent. and has of course created a number of acute problems.

Mr. Bowles, who is supervisor of community work for the southern states, has had a wide and lengthy experience in civic work, and comes peculiarly fitted to undertake the work in hand. In this he has met with the in hand. In this he has met with the heartlest and most intelligent co-operation on the part of the local leaders.

Comprehensive Program Mapped Out. The movement took definite form at meeting held at Muscle Shoals on July 26, when the organization of the Tri-Cities committee was perfected at a meeting of the committee at Flor-ence in the chamber of commerce quarters. Representatives of the comquarters. Representatives of the commercial organizations in Florence. Sheffield and Tuscumbia attended the meeting, which was a very enthusiastic one. A definite program of work was agreed upon by the committee. W. H. Mitchell, president of the Florence chamber of commerce and chairman of the Tricklifes committee. the Tri-Cities committee, presided.
The definite program, which is a
most constructive one, agreed on by
the committee includes:

the committee includes;

1. The appointment of committees in the three communities to investigate specific cases of alleged profiteering.

2. The provision of adequate and diversified amusement and recreation in each community, including com-munity center huts with reading and bureaus, a paid and capable band to oureaus, a paid and capable band to play alterntely each evening in the Tri-Cities; the inauguration of the community sing idea in each city; provision of swimming facilities and bath houses; thorough installation of playground equipment in each of the beautiful parks in the three cities, and the setting aside of additional tracts the setting aside of additional tracis for beauty spots and additional parks; the greater use of the li rarjes through an agreement which would permit of their being available for visitation

3. The organizing of the business men through the respective chambers of commerce and the securing of said

is good, and every effort will be made to render the situation of labourers comfortable and agreeable.

"HENRY & KIBBE."

"N. B.—There have been over two hundred men engaged upon the canal during the summer months, and for that time but little sickness and only two deaths.

"H. & K."

of commerce and he securing of said secretaries for those organizations in each of the three communities.

4. The establishment of community markets for the purpose of encouraging the farmers to raise more produce in order that the enormous increased population might be properly fed, and the planting of war gardens in the district.

5. The provision of adequate saw.

R. E. Hyde.

Public Library Committee—(Combined with Y. M. C. A. committee)
Florence, Library committee; F. T. Appleby, Mrs. G. H. Smith, Miss N. C. Simpson and Mrs. W. P. Campbell.
Florence, F. T. Appleby, Mrs. G. H. Smith, Miss N. C. Simpson and Mrs. W. P. Campbell.
Florence, F. T. Appleby, Mrs. G. H. Smith, Miss N. C. Simpson and Mrs. W. P. Campbell: Florence, H. L. Reeder, C. L. Hollingsworth and A. J. Sharp: Sheffleld, J. L. Andrews, J. S. Kernaehan and J. H. Lester; Tuscum-

E. Hurston, Jr., and City Beautiful.

Government Officials included.

The following evening this committee met and was expanded into the Muscle Shoals district committee; through the addition of officers and officials upon the government operations. The meeting was presided every by W. H. Mitchell, president of the Florence chamber of commerce, who was elected president of the committee and who outlined its purposes.

bia, J. T. Kirk, John F. Funke and

W. M. Goldan.
War Garden Committee—(Florence
Waf Garden committee combined with
Community Market committee) Sheffield, Mrs. Mary H. Rogan and Prentiss Hackwell: Tuscumbia, Dr. E. S.
Gregory, G. M. Drisdale and Jno. W.
Davis.
Information Bureau Committee
(Florence already provided with infor-

Piorence chamber of commerce, who was elected president of the committee and who outlined its purposes.

Following Mr. Mitchell's presentation of the purposes of the meeting, each government official was called on to express his views on the idea of forming a joint organization which would act in the nature of a clearing house for all matters pertaining to community or governmental matters and thus form a point of contact between all the interests involved. The formation of the Muscle Shoals District committee, whose personnel will include both community and government representatives, is just another step in the direction of carrying forward the co-operation which this entire movement reflects.

The program mapped out at the July 26 meeting is now in process of being worked out to the most rapid conclusion.

worked out to the most rapid con-

MUSCLE SHOALS HEALTH CONDITIONS EXCELLENT

U. S. Public Health Service and Local Authorities Work Together.

of Dr. H. S. Mustard, by a really enormous force.

Included in that force are eight physicians, three sanitary engineers, two food inspectors, two mosquito inspectors, four sanitary inspectors, eight nurses and about 200 laborers.

The Muscle shoals s...nitary district includes the three towns, the two big plants, the territory in between, and camps of the various subcontractors—some ninety square miles in all.

Organization of the district and its relation to the community follows the plan of the extra cantonment health zone, such as embraces Chattanooga, but the problems and methods necessarily differ considerably from those employed here.

employed here.
For instance, there is not a large population here living in tents, but at Muscle shoals there are numbers of

s. The building of better streets in each community and the proper oiling thereof to aliay dust.

9. The provision of adequate educational facilities within the reach of ali.

10. The regulation of taxicab charges in the district.

The subcommittees appointed by the three committees to carry on their respective parts of the spiehdid program adopted by the Tri-Cities committee follow, their appointment in each instance having been made by the president of the chamber of commerce in each city.

Profiteering Committee—Florence: Judge J. J. Mitchell, J. B. Porterfield and G. M. Huckabe; Sheffield, F. N. Julian, J. B. Blaicek and M. A. Lightman; Tuscumbla, Joe Hindman, H. L. Halsey and Jno. E. Deloney.

Social Center Hut or Y. M. C. A. Committee—Florence, P. R. Jones, S. W. Frierson and T. M. Smith; Sheffield, W. G. Waldo, J. H. Nathan, John H. Peach and Dr. H. R. Thompson; Tuscumbla, S. T. Slayton, W. F. Trump, Mrs. J. N. Thompson and Mrs. H. L. Halsey.

Band Committee—Florence, M. W. Darby, Fred Johnson and Edgar Konnee.

Parks and Playgrounds Committee—Florence, C. L. Price, Joe P. May and Jesse Stubbs; Sheffield, Mrs. R. B. Johnson, J. C. Caden and Mrs. J. B. Lagomaraino; Tuscumbla, Mrs. A. H. Carmichael, Judge N. P. Tompkins and R. E. Hyde.

Public Library Committee—(Combined with Y. M. C. A. committee—Florence, M. T. Appleby, Mrs. G. H. Smith, Miss N. C. Simpson and Mrs. W. P. Campbell; Florence, H. L. Reder, C. L. Polingsworth and A. J. Sharp; Sheffield, J. L. Andrews, J. S. Kernaehan and J. H. Lester; Tuscumblus and A. J. Sharp; Sheffield, J. L. Andrews, J. S. Kernaehan and J. H. Lester; Tuscumblus and A. J. Sharp; Sheffield, J. L. Andrews, J. S. Kernaehan and J. H. Lester; Tuscumblus and A. J. Sharp; Sheffield, J. L. Andrews, J. S. Kernaehan and J. H. Lester; Tuscumblus and Carried through to such an article of the province of the pro

GREAT WALL MILE LONG, ONE HUNDRED AND FOUR FEET HIGH

On Aug. 8, an event took place at Muscle shoals which was of national importance. The first shovelful of dirt was officially dug to start the construction of the great dam across the Tennessee river, a mile or two above the Florence-Sheffield bridge. This dam, when completed, will not only be the greatest hydroelectric unit in the south and one of the greatest in the world, but it will remove the most troublesome bar to all-year navigation of the Tennessee river. The beginning of work down there marks the consummation of half a century of hopes, and was fittingly celebrated in Florence.

Though the 8th saw the official be-

mation of half a century of hopes, and was fittingly celebrated in Florence.

Though the 8th saw the official beginning of work, much has already been accomplished towards the task to be completed in 1922. A force of 200 men has been on the job for some weeks, and already the coffer dam is well along towards completion. The river is closed to navigation across the site of the dam and will remain so until its completion.

Maj. D. A. Watts is engineer in charge, and with his force of assistants and draughtsmen occupies the federal building at Florence and two findent accomplishments of man.